We claim:

1. An apparatus for use with lifting the rear of large vehicles, comprising:

at least two substantially parallel and horizontally extending frame extenders, adapted for communication with a receiving means rigidly connected to the undercarriage of a large vehicle;

at least one cross bar, substantially perpendicular to said frame extenders and rigidly connected to said frame extenders by a connecting means; and a

a mounting means for removably attaching said cross bar to a standard towing truck.

2. The apparatus according to claim 1, further comprising:

at least two slider arms extending substantially horizontally from the opposing ends of said cross bar and in rigid communication with said connecting means;

said slider arms each having a top surface and an opposing bottom surface

each said top surface in rigid connection with a pin surface; and

each said pin surface rigidly connected to a vertically extending pin for contact with a second receiving means in rigid connection to the undercarriage of a large vehicle;

3. The apparatus according to claim 1, wherein said connecting means is at least one pair of box collar sections.

4. The apparatus according to claim 1, wherein said crossbar, said frame extenders, and said connecting means comprise square or rectangular cross-sectional steel tubing.

5. The apparatus according to claim 1, wherein the length of said cross bar is about 80 inches long.

6. The apparatus according to claim 1, wherein the length of said frame extenders is about 83 inches long.

7. The apparatus according to claim 2, wherein the cross-sectional dimensions of said slider arms are about 3.5 inches by 3.5 inches by 3/16 inches.

8. The apparatus according to claim 4, wherein said square steel tubing comprises dimensions of cross-section of about 3 inches by 3 inches by 5/16 inches.

9. An apparatus for use with lifting the rear of large vehicles, comprising:

at least two substantially parallel and horizontally extending frame extenders, adapted for communication with a receiving means rigidly connected to the undercarriage of a large vehicle;

at least one cross bar, substantially perpendicular to said frame extenders and rigidly connected to said frame extenders by a connecting means;

a mounting means for removably attaching said cross bar to a standard towing truck;

at least two slider arms extending substantially horizontally from the opposing ends of said cross bar and in rigid communication with said connecting means;

said slider arms each having a top surface and an opposing bottom surface;

each said top surface in rigid connection with a pin surface; and

each said pin surface rigidly connected to a vertically extending pin for contact with a second receiving means in rigid connection to the undercarriage of a large vehicle;

10. The apparatus according to claim 1, wherein said connecting means is at least one pair of box collar sections.

11. The apparatus according to claim 9, wherein said crossbar, said frame extenders, and said connecting means comprise square or rectangular cross-sectional steel tubing.

12. The apparatus according to claim 9, wherein the length of said cross bar is about 80 inches long.

13. The apparatus according to claim 9, wherein the length of said frame extenders is about 83 inches long.

14. The apparatus according to claim 9, wherein the cross-sectional dimensions of said slider arms are about 3.5 inches by 3.5 inches by 3/16 inches.

15. The apparatus according to claim 10, wherein said square steel tubing comprises dimensions of cross-section of about 3 inches by 3 inches by 5/16 inches.

16. An arrangement for towing a large vehicle, comprising a rear lifting cradle removably mounted to the wrecker forks of a standard towing truck and in communication with a receiving means mounted to the undercarriage of said vehicle;

said rear lifting cradle having at least two substantially parallel and horizontally extending frame extenders, at least one cross bar substantially perpendicular to said frame extenders and rigidly connected to said frame extenders by a connecting means, a mounting means for removably mounting said cross bar to a standard towing truck; and

said undercarriage further comprising a main structural frame extending horizontally to a point short of the rear end of said large vehicle;

said receiving means comprising at least one pair of rear axle support plates extending vertically downward from said undercarriage, each said support plate having a receiving hole parallel to the main axis of said large vehicle and in line

with said frame extenders of said rear lifting cradle for removably receiving said frame extenders horizontally; and

at least one pair of downwardly extending jack posts, positioned at points between the rear wheel and rear end of said large vehicle and in line with said frame extenders, for preventing the bowing of said frame extenders under lifting conditions.

17. Arrangement for towing a large vehicle according to claim 10, wherein:

said rear lifting cradle further comprises at least two slider arms extending substantially horizontally from the opposing ends of said cross bar and in rigid communication with said connecting means, a top surface and an opposing bottom surface, each said top surface in rigid connection with a substantially vertical pin; and

said undercarriage further comprises at least one pair of jack plates substantially positioned at said rear end of said under carriage, each said jack plate having a substantially vertical locator hole for receiving said pin of said rear lifting cradle.

18. An arrangement for towing a large vehicle, comprising a rear lifting cradle removably mounted to the wrecker forks of a standard towing truck and in communication with a receiving means mounted to the undercarriage of said vehicle;

said rear lifting cradle comprising:

(a) at least two substantially parallel and horizontally extending frame extenders;

(b) at least one cross bar substantially perpendicular to said frame extenders and rigidly connected to said frame extenders by a connecting means;

(c) a mounting means for removably mounting said cross bar to a standard towing truck;

(d) at least two slider arms, each said sliding

arm having a top surface and an opposing bottom surface and extending substantially horizontally from the opposing ends of said cross bar and in rigid communication with said connecting means, said top surface in rigid connection with a substantially vertical pin;

said undercarriage further comprising a main structural frame extending horizontally to a point short of the rear end of said large vehicle, at least one pair of jack plates substantially positioned at said rear end of said undercarriage, each said jack plate having a substantially vertical locator hole for receiving said pin of said rear lifting cradle;

said receiving means comprising at least one pair of rear axle support plates extending vertically downward from said undercarriage, each said support plate having a receiving hole parallel to the main axis of said large vehicle and in line with said frame extenders of said rear lifting cradle for removably receiving said frame extenders horizontally;

at least one pair of downwardly extending jack posts, positioned at points between the rear wheel and rear end of said large vehicle and in line with said frame extenders, for preventing the bowing of said frame extenders under lifting conditions;